

IN THE CLAIMS:

Claim 1. (currently amended): A separator for an electric double-layer capacitor comprising:

a glass fiber; a polyester fiber; and

an aramid fiber,

and the separator further comprising:

an acryl resin and a cation fixing reinforcement agent as a binder for binding said glass fiber, said polyester fiber, and said aramid fiber,

wherein paper making is performed.

2. (currently amended): A separator for an electric double-layer capacitor according to claim 1 which the separator contains said glass fiber of not less than 10 mass percent and not more than 40 mass percent.

3. (currently amended): A separator for an electric double-layer capacitor according to claim 1 which the separator contains said aramid fiber of not less than 40 mass percent and not more than 60 mass percent.

4. (currently amended): A separator for an electric double-layer capacitor according to claim 2 which the separator contains said aramid fiber of not less than 40 mass percent and not more than 60 mass percent.

5. (currently amended): A separator for an electric double-layer capacitor according to claim 1 which the separator contains said polyester fiber of not less than 10 mass percent and not more than 30 mass percent.

6. (currently amended): A separator for an electric double-layer capacitor according to claim 2 which the separator contains said polyester fiber of not less than 10 mass percent and not more than 30 mass percent.

7. (currently amended): A separator for an electric double-layer capacitor according to claim 3 which the separator contains said polyester fiber of not less than 10 mass percent and not more than 30 mass percent.

8. (currently amended): A separator for an electric double-layer capacitor according to claim 4 which the separator contains said polyester fiber of not less than 10 mass percent and not more than 30 mass percent.

9. (currently amended): A separator for an electric double-layer capacitor according to claim 1 which the separator comprises an acryl resin and a cation fixing reinforcement agent as a binder for binding said glass fiber, said polyester fiber, and said aramid fiber, wherein paper making is performed.

Claims 10-16 (canceled):

Claims 17-32 (canceled):

33. (currently amended): A separator for an electric double-layer capacitor comprising:

a fiber that makes an aromatic fiber a main component thereof; and

an inorganic compound for being dispersed between said fiber and forming hydrosol that is made to adhere to a surface of said fiber,

wherein an electrolyte solution comprises a hydrophilic organic solvent.

34. (currently amended): A separator for an electric double-layer capacitor according to claim 33 which the separator contains said inorganic compound of not less than 1 mass percent and not more than 20 mass percent.

35. (original): A separator for an electric double-layer capacitor according to claim 33, wherein said inorganic compound comprises a particulate inorganic compound and a particle diameter of said particulate inorganic compound is not less than 1 nm and not more than 500 nm.

36. (original): A separator for an electric double-layer capacitor according to claim 34, wherein said inorganic compound comprises a particulate inorganic compound and a particle diameter of said particulate inorganic compound is not less than 1 nm and not more than 500 nm.

37. (original): A separator for an electric double-layer capacitor according to claim 33, wherein said fiber comprises at least a glass fiber, and wherein total of said inorganic compound and said glass fiber is not less than 10 mass percent and not more than 50 mass percent.

38. (original): A separator for an electric double-layer capacitor according to claim 34, wherein said fiber comprises at least a glass fiber, and wherein total of said inorganic compound and said glass fiber is not less than 10 mass percent and not more than 50 mass percent.

39. (original): A separator for an electric double-layer capacitor according to claim 35, wherein said fiber comprises at least a glass fiber, and wherein total of said inorganic compound and said glass fiber is not less than 10 mass percent and not more than 50 mass percent.

Serial Number: 10/849,505
OA dated December 13, 2004
Amdt. dated March 14, 2005

40. (original): A separator for an electric double-layer capacitor according to claim 36, wherein said fiber comprises at least a glass fiber, and wherein total of said inorganic compound and said glass fiber is not less than 10 mass percent and not more than 50 mass percent.

41. (currently amended): An electric double-layer capacitor comprising two polarizable electrodes and a separator therefor according to claim 1 between the electrodes.

Claims 42-80 (canceled):

81. (original): A manufacturing method of a separator for an electric double-layer capacitor, the method comprising;

a mixing process for mixing a fiber and an inorganic compound that forms hydrosol and is dispersed; and

a paper making process for making paper from said mixed fiber and inorganic compound.